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# NASA Procedural Requirements

**NPR 8553.1A**Effective Date: March 22,  
2005Expiration Date: March 22,  
2010**COMPLIANCE IS MANDATORY**[Printable Format \(PDF\)](#)

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**Subject: NASA Environmental Management System (EMS) w/Change 2 (04/26/2006)****Responsible Office: Environmental Management Division**

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## Preface

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### P.1 Purpose

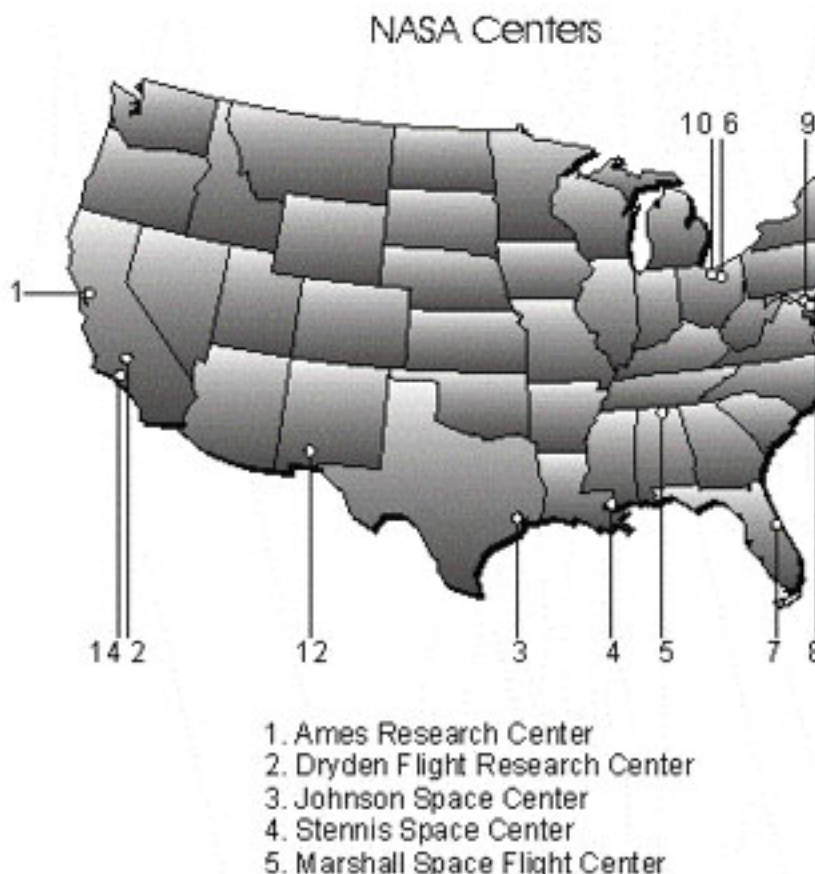
This NASA Procedural Requirement (NPR) describes NASA's Environmental Management System (EMS). An EMS is a system that (1) incorporates people, procedures, and work practices in a formal structure to ensure that the important environmental impacts of the organization are identified and addressed, (2) promotes continual improvement including periodically evaluating environmental performance, (3) involves all members of the organization as appropriate, and (4) actively involves Senior Management in support of the environmental management program. The purpose of the Agency EMS is to have a single overall Agency approach to managing environmental activities that allows for efficient, prioritized program execution.

This NPR provides overall direction for NASA EMS documentation, Headquarters-level documentation, and Center-level documentation. Applicable NASA-wide documentation, NASA Policy Directives (NPD), and NPR comprise minimum EMS performance criteria. Center EMS implementation activities may add content to reflect Center-specific needs. This NPR is intended to function in conjunction with the NASA Safety and Health Program, including risk management and loss-prevention priorities.

### P.2 Applicability

- a. This NPR is applicable to NASA Headquarters and NASA Centers, including Component Facilities, and to contractors to the extent specified in their contracts and tenants as specified in tenancy agreements.
- b. The scope of the EMS at each Center consists of management defined: activities, products, and services applicable to the EMS, over which the Center has control and/or influence (Chapter 1.1 includes information on related responsibilities). The NASA EMS scope includes the following NASA Centers (including Headquarters) and Component Facilities:
  1. Ames Research Center.
  2. Dryden Flight Research Center.
  3. Johnson Space Center.
  4. Stennis Space Center.
  5. Marshall Space Flight Center.
  6. Glenn Research Center.
  7. Kennedy Space Center.
  8. Langley Research Center.
  9. Goddard Space Flight Center.
  10. Glenn Research Center, Plum Brook Station.

11. Goddard Space Flight Center, Wallops Flight Facility.
12. Johnson Space Center, White Sands Test Facility.
13. Headquarters.
14. Jet Propulsion Laboratory (to the extent specified in its contract, see Chapter 1.1.f).



c. The scope of the Headquarters EMS includes --

1. Headquarters operations, not affecting Center operations.
2. Headquarters activities and programmatic decisions affecting Center operations.

d. d. Centers shall fully transition from conformance with requirements of NPR 8553.1 dated May 6, 2002, to those of this document, no later than two (2) years from its effective date.

e. e. Centers shall conform to applicable EMS review and EMS self-declaration or external recognition program requirements of this NPR no later than December 31, 2005.

### P.3 Authority

- a. 14 CFR, subpart 1216.1, Policy on Environmental Quality and Control.
- b. NPD 8500.1, NASA Environmental Management.

### P.4 References

- a. 5 U.S.C. 552, Freedom of Information Act, as amended.
- b. 16 U.S.C. 470, National Historic Preservation Act, as amended.
- c. 42 U.S.C. 2473(c)(1), Section 203(c)(1) of the National Aeronautics and Space Act of 1958, as amended.
- d. 1958, as amended.
- e. 42 U.S.C. 4321 et seq., National Environmental Policy Act of 1969, as amended.

- i. 42 U.S.C. 11011-1105, Emergency Planning and Community Right to Know Act.
- g. Executive Order 11988, Flood Plain Management, May 1977, as amended.
- h. Executive Order 11990, Protection of Wetlands, May 1977, as amended.
- i. Executive Order 12898, February 11, 1994, Federal Actions to Address
- j. Environmental Justice in Minority Populations and Low-Income Populations.
- k. Executive Order 13148, April 21, 2000, Greening the Government Through
- l. Leadership in Environmental Management.
- m. 14 CFR, Part 1206, Availability of Agency Records to Members of the Public.
- n. 48 CFR, Subpart 23.10, Federal Acquisition Regulation, Federal Compliance with
- o. Right-To-Know Laws and Pollution Prevention Requirements.
- p. NPD 1001.1, NASA Strategic Plan (includes NASA Vision and Mission).
- q. NPD 1000.3, The NASA Organization, as amended.
- r. NPD 1210.2, NASA Surveys, Audits, and Reviews Policy.
- s. NPD 1440.6, NASA Records Management.
- t. NPD 2800.1, Managing Information Technology.
- u. NPD 5110.32, Procurement.
- v. NPD 8710.1, Emergency Preparedness Program.
- w. NPD 8820.2, Design and Construction of Facilities.
- x. NPR 1000.2, NASA Strategic Management Handbook.
- y. NPR 1400.1, NASA Directives System.
- a. NPR 1441.1, Records Retention Schedules.
- aa. NPR 1450.4, Handling Congressional Correspondence and Information Concerning Congressional Activities.
- ab. NPR 7120.5, Program and Project Management Processes and Requirements.
- ac. NPR 8570.1, Energy Efficiency and Water Conservation Technologies and Practices.
- ad. NPR 8580.1, Implementing The National Environmental Policy Act and Executive Order 12114.
- ae. NPR 8621.1, NASA Procedural Requirements for Mishap Reporting, Investigating, and Record Keeping.
- af. NPR 8715.2, NASA Emergency Preparedness Plan Procedural Requirements.
- ag. NPR 8715.3, NASA Safety Manual.
- ah. NPR 8830.1, Affirmative Procurement Plan for Environmentally Preferable Products.
- ai. Agency Self-Declaration Protocol for Appropriate Federal Facilities, Office of the Federal Environmental Executive, September 10, 2003.
- aj. Environmental Excellence for the Twenty First Century, May 1994.
- ak. Guide for Freedom of Information Act Requesters, 2004.
- al. ISO 14001: Environmental Management Systems - First edition, Specification with Guidance for Use, International Organization for Standardization (ISO), 1996, and Second Edition, Requirements with Guidance for Use, International Organization for Standardization (ISO), 2004.
- am. ISO 19011: Guidelines for Quality and/or Environmental Management Systems Auditing, International Organization for Standardization (ISO), 2002.
- an. NASA Environmental Justice Strategy, March 1995.
- ao. National Environmental Performance Track, Program Guide, EPA 240-F-01-002, March 2003, as amended.

## P.5 Cancellation

NPR 8553.1, NASA Environmental Management System (EMS), dated May 6, 2002.

/S/

**James L. Jennings**  
**Associate Administrator for**  
**Institutions and Management**

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